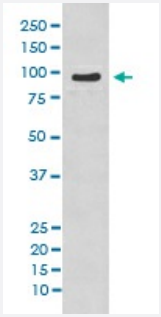
NBN (phospho S343) monoclonal antibody, clone BGI-14

Catalog # MAB20547 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate treated with Etopside using NBN (phospho S343) monoclonal antibody, clone BGI-14.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human NBN.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S343 of human NBN.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of Jurkat cell lysate treated with Etopside using NBN (phospho S343) monoclonal antibody, clone BGI-14.

Gene Info — NBN

Entrez GeneID	4683
Protein Accession#	O60934
Gene Name	NBN
Gene Alias	AT-V1, AT-V2, ATV, FLJ10155, MGC87362, NBS, NBS1, P95
Gene Description	nibrin
Omim ID	251260 602667
Gene Ontology	Hyperlink
Gene Summary	Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessiv e chromosomal instability syndrome characterized by microcephaly, growth retardation, immunod eficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 do uble-strand break repair complex which consists of 5 proteins. This gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation. [pr ovided by RefSeq
Other Designations	Nijmegen breakage syndrome 1 (nibrin)|cell cycle regulatory protein p95|p95 protein of the MRE1 1/RAD50 complex

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Pathway

- Homologous recombination

Disease

- Acute Disease
- Adenocarcinoma
- Astrocytoma
- Ataxia telangiectasia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Central Nervous System Neoplasms
- Chromosomal Instability
- Chromosome Aberrations
- Chromosome Breakage
- Chromosome Deletion
- Cleft Lip
- Cleft Palate
- Colorectal Neoplasms
- Disease Progression
- DNA Damage
- DNA Repair-Deficiency Disorders
- Esophageal Neoplasms

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- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Genital Neoplasms
- Glioblastoma
- Glioma
- Hematologic Diseases
- Hematologic Neoplasms
- Hodgkin Disease
- Kidney Failure
- Laryngeal Neoplasms
- Leukemia
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Medulloblastoma
- Melanoma
- Meningeal Neoplasms
- Meningioma
- Mouth Neoplasms
- Multiple Sclerosis
- Neoplasms
- Neuroma
- Nijmegen Breakage Syndrome
- Obesity
- Occupational Diseases

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- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pancreatic Neoplasms
- Parkinson disease
- Polycystic Ovary Syndrome
- Precancerous Conditions
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Skin Neoplasms
- Stomach Neoplasms
- Syndrome
- Thrombophilia
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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